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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/630,892	07/30/2003	Stephen E. Terry	I-2-0377.1US	7949

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EXAMINER	
DANIEL JR, WILLIE J	

ART UNIT	PAPER NUMBER
2686	

DATE MAILED: 11/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/630,892	TERRY, STEPHEN E.	
	Examiner	Art Unit	
	Willie J. Daniel, Jr.	2686	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) 1-7 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) 1-7 is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 24 June 2004.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

1. This action is in response to application filed on 30 July 2003. **Claims 1-7** are now pending in the present application.

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on 24 June 2004 is in compliance with the provisions of 37 CFR 1.97 and is being considered by the examiner.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Applicant's admitted Prior Art (hereafter Prior Art).

Regarding **Claim 1**, Prior Art discloses in a cellular network which reads on the claimed "wireless communication system" (see pg. 1, [0005]), a method of paging a plurality of users comprising:

(a) selecting a physical paging channel from a list of paging channels (see pg. 2, [0008]; Fig. 1); and

(b) determining a particular paging occasion (105,110) on the selected paging channel, the paging occasion being identified by a unique radio frame number, wherein a temporary

identity is used to synchronize paging services of both point-to-point (PtP) and point-to-multipoint (PtM) services (see pg. 4, [0018], [0021], line 3-5; Fig. 1), where the point-to-point and point-to-multipoint are synchronized within the frame of the channel (communication path) in which the temporary identity and frame number would be inherent. The frame (see Fig. 1) has identifiers UP and GP that are equally separated by 9 slots until the next UP and GP to provide synchronization for the paging occasion.

Regarding **Claim 2**, Prior Art discloses the method of claim 1 wherein the selected paging channel is substantially equivalent to the temporary identity mod K, where K is the number of physical paging channels that exist (see pg. 2, [0007], line 5; pg. 4, [0021]; Fig. 1), where the frame has identifiers UP and GP in which the temporary identity would be inherent.

Regarding **Claim 3**, Prior Art discloses the method of claim 2 wherein the frame number is substantially equivalent to:

{temporary identity div K} mod {discontinuous reception cycle length} + n * {discontinuous reception cycle length} (see pg. 4, [0018]; Fig. 1), where the frame has identifiers UP and GP in which the temporary identity would be inherent.

Claims 4-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Abbadessa (US 6,236,856 B1).

Regarding **Claim 4**, Abbadessa discloses in a GSM network which reads on the claimed "wireless communication system" (see col. 3, lines 6-22; Fig. 1), a method of paging a plurality of mobile stations (106) which reads on the claimed "users" comprising:

(a) selecting a physical paging channel (PCH) from a list of paging channels (PCH) (see col. 5, lines 44-47; col. 7, lines 36-58; Fig. 1);

(b) determining a particular point-to-multipoint (PtM) paging occasion on the selected paging channel (PCH) for each of a plurality of paging groups (sub-channels) which reads on the claimed "subsets" of the users (106), the paging occasion being identified by a unique radio frame number (FN) (see col. 4, lines 31-36; col. 5, lines 20-22,44-47; col. 14, lines 52-61; col. 7, lines 36-58; Figs. 1, 4); and

(c) generating a page occasion for each of the user (106) subsets (see col. 5, lines 44-47; col. 7, lines 36-58; Figs. 1-2, 4).

Regarding **Claim 5**, Abbadessa discloses in a wireless communication system, a method of paging a plurality of users comprising:

(a) determining a paging identity (IMSI) of a specific user equipment (UE) (106) (see col. 5, lines 44-47; col. 7, lines 36-58; Fig. 1);

(b) selecting a physical paging channel (PCH) from a list of paging channels (PCH) (see col. 5, lines 44-47; col. 7, lines 36-58; Fig. 1);

(c) determining a particular paging occasion on the selected paging channel (PCH) (see col. 5, lines 44-47; col. 7, lines 36-58; Figs. 1, 4); and

(d) determining a broadcast service to be activated during the paging occasion (see col. 5, lines 44-47; col. 7, lines 36-58; Fig. 1).

Regarding **Claim 6**, Abbadessa discloses the method of claim 5 wherein the broadcast service is a point-to-point (PtP) paging service (see col. 5, lines 20-22,44-47; Fig. 1).

Regarding **Claim 7**, Abbadessa discloses the method of claim 5 wherein the broadcast service is a point-to-multipoint (PtM) paging service (see col. 5, lines 20-22,44-47; Fig. 1).

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Willie J. Daniel, Jr. whose telephone number is (703) 305-8636. The examiner can normally be reached on 7:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha D. Banks-Harold can be reached on (703) 305-4379. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Marsha D Banks-Harold

MARSHA D. BANKS-HAROLD
SUPERVISORY PATENT EXAMINER
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WJD,JR
03 November 2004